

Daily Lesson Plans
for
Saxon Algebra 2
Third Edition

My Father's World[®]

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Saxon Algebra 2, Third Edition

Lesson Plans

This guide is designed for the average to above average student. We have carefully evaluated each lesson and selected the problems in each lesson that are most important to complete. The goal is to focus practice on the newer material but also to include an appropriate number of review problems. Each day's work should take about 1 to 1½ hours to complete.

If a student is struggling with these assignments and scoring less than 80% on his tests, then he should slow down and do each problem in each lesson. This will take more time for each lesson but it will improve comprehension.

Materials needed:

- paper
- pencils
- graph paper (starting on Day 12)
- a scientific calculator (to find sine, cosine, etc.)
- a compass (One with a wheel in the center to adjust the legs is much easier to use than other kinds of compasses. You won't need it until Day 159.)
- a 12-inch ruler (with both inches and centimeters)
- a thin one-theme spiral notebook for notes
- Saxon Algebra 2* Homeschool Kit, Solutions Manual (recommended), DIVE CD (recommended)

Notes: While listening to the DIVE CD and reading the lessons in the textbook, the student should take notes in a one-theme spiral notebook. This book is to be used only for math notes, not for working the problems in the lesson. The student should write definitions, draw pictures of examples, and keep notes of anything else that will help him remember the material.

Procedure: MFW recommends using the DIVE CD in conjunction with Saxon math textbooks. Each day, begin by listening to the appropriate lesson on the DIVE CD. Work every problem in your DIVE lesson and take notes in your math notebook of what is taught in the DIVE lesson. Be sure you understand the DIVE lesson and are able to accurately complete all of the practice problems on the CD.

Once you have mastered the lesson on the DIVE CD, complete the Problem Set from your textbook as instructed in your lesson plans. Many students who use the DIVE CD find that they do not need to read the lesson in the Saxon textbook. However, if you have any difficulty with the Problem Set, then also read the lesson in your Saxon textbook and do the practice problems in the book.

Test Scores
Saxon Algebra 2, Third Edition

Name _____

	Date	Score	Parent Initial
Test 1	_____	_____	_____
Test 2	_____	_____	_____
Test 3	_____	_____	_____
Test 4	_____	_____	_____
Test 5	_____	_____	_____
Test 6	_____	_____	_____
Test 7	_____	_____	_____
Test 8	_____	_____	_____
Test 9	_____	_____	_____
Test 10	_____	_____	_____
Test 11	_____	_____	_____
Test 12	_____	_____	_____
Test 13	_____	_____	_____
Test 14	_____	_____	_____
Test 15	_____	_____	_____
Test 16	_____	_____	_____
Test 17	_____	_____	_____
Test 18	_____	_____	_____
Test 19	_____	_____	_____
Test 20	_____	_____	_____

Week 21

- ___ Day 101 **Complete** DIVE Lesson 77 or read Lesson 77 (pp320 – 322).
Note: It is important to check the answers of radical equations. As the last example in the lesson showed (example 77.3), you can do the right steps and get a number as an answer, but it might not actually work. This is because we are undoing radicals by raising to powers. 2 squared is 4, but so is (-2) squared. Therefore we might be changing the nature of the problem. So we **always** have to check these kinds of equations.
Do Problem Set 77 (pp322 – 323) #1 – 13, 22 – 30.
- ___ Day 102 **Complete** DIVE Lesson 78 or read Lesson 78 (pp324 – 325).
Do Problem Set 78 (pp325 – 327) #2 – 30 evens.
- ___ Day 103 **Do** Test 19.
- ___ Day 104 **Complete** DIVE Lesson 79 or read Lesson 79 (pp327 – 329).
Note: We looked at 30-60-90 triangles back in Lesson 66 (pages 279 – 280). Knowing the 30-60-90 triangle and the 45-45-90 triangle relationships will simplify many problems; these are present on most achievement tests and college entrance exams.
Do Problem Set 79 (pp330 – 331) #6 – 27.
- ___ Day 105 **Complete** DIVE Lesson 80 or read Lesson 80 (pp331 – 333).
Note: 80.A. Learn both approaches. On some problems one approach is easier, but on other problems the other approach is easier.
Do Problem Set 80 (pp333 – 334) #1 – 30.

Week 22

- ___ Day 106 **Complete** DIVE Lesson 81 or read Lesson 81 (pp335 – 337).
Do Problem Set 81 (pp337 – 338) #1 – 23.
- ___ Day 107 **Complete** DIVE Lesson 82 or read Lesson 82 (pp339 – 341).
Do Problem Set 82 (p341) #1 – 16.
- ___ Day 108 **Do** Test 20.
- ___ Day 109 **Complete** DIVE Lesson 83 or read Lesson 83 (pp342 – 344).
Note: When we bring up a power from the denominator to the numerator, the sign on the exponent changes. In example 83.2 the $x^{a/2}$ comes up as $x^{-a/2}$ and the y^{2a} comes up as y^{-2a} . In example 83.4 the x^{-a} comes up as x^a .
Do Problem Set 83 (pp344 – 345) #1 – 22.

Week 31

- ___Day 151 **Complete** DIVE Lesson 117 or read Lesson 117 (pp476 – 477).
Do Problem Set 117 (pp478 – 479) #12 – 30.
- ___Day 152 **Complete** DIVE Lesson 118 or read Lesson 118 (pp479 – 481).
Do Problem Set 118 (pp481 – 483) #1 – 30.
- ___Day 153 **Do** Test 29.
- ___Day 154 **Complete** DIVE Lesson 119 or read Lesson 119 (pp483 – 485).
Do Problem Set 119 (p485) #1 – 17.
- ___Day 155 **Complete** DIVE Lesson 120 or read Lesson 120 (pp486 – 488).
Do Problem Set 120 (pp488 – 489) #1 – 29 odds.
Reminder: You will need a compass starting on Day 159.

Week 32

- ___Day 156 **Complete** DIVE Lesson 121 or read Lesson 121 (pp490 – 491).
Do Problem Set 121 (pp491 – 493) #1 – 9 all, 11 – 29 odds.
- ___Day 157 **Complete** DIVE Lesson 122 or read Lesson 122 (pp494 – 496).
Note: For the practice problems and Problem #30, the students need to make a separate drawing for each part and then shade in the areas that answer that problem.
Do Problem Set 122 (pp496 – 497) #1 – 30.
- ___Day 158 **Do** Test 30.
- ___Day 159 **Complete** DIVE Lesson 123 or read Lesson 123 (pp497 – 502).
Note: For #1 – 5 you should do **two** examples for each problem. For example, #1 asks you to draw an angle and copy it using construction. You should draw an angle and copy it and then draw a **different** angle and copy it.
Do Problem Set 123 (p502) #1 – 18.
- ___Day 160 **Complete** DIVE Lesson 124 or read Lesson 124 (pp503 – 507).
Do Problem Set 124 (pp508 – 509) #1 – 20.

Week 33

- ___Day 161 **Complete** DIVE Lesson 125 or read Lesson 125 (pp509 – 512).
Do Problem Set 125 (pp513 – 514) #1 – 11 all, 12 – 20 evens.
- ___Day 162 **Complete** DIVE Lesson 126 or read Lesson 126 (pp514 – 518).
Do Problem Set 126 (pp518 – 520) #1 – 20.
- ___Day 163 **Do** Test 31.